

PLANT MAINTENANCE MECHANIC APPRENTICE

NATURE OF WORK

This is semi-skilled and limited skilled manual work in an established apprenticeship program involving the repair and maintenance of instrumentation, electrical, hydraulic and mechanical treatment and pumping systems in water and wastewater plants and facilities.

Work involves assisting journeyman level employees in the maintenance and repair of equipment utilized in water and wastewater plants and facilities to include, but not limited to, mechanical system equipment such as motors, pumps, conveyors, aerators, compressors, gearboxes, blowers, electrical system devices such as switchgears, breakers, AC control systems transformers, wiring invertors, variable speed controllers and instrument system devices such as primary elements, convertors, transmitters, controllers, recorders, I/O devices, AC and DC control logic and telemetry systems. Work includes assisting in the analysis and inspection of equipment and may include assisting in the inspection of contracted work to ensure job quality. Work also involves the successful completion of formal training courses established under provisions of the Public Utility Plant Maintenance Apprentice Program. Work is completed under direct supervision; however, an employee in this class may work with increased independence on the more routine aspects of work as experience and job knowledge is gained. Work is reviewed through inspection and conversation while in progress and upon completion.

ILLUSTRATIVE EXAMPLES OF WORK

Assists in the analysis and inspection of equipment for maintenance needs and diagnoses of equipment malfunctions for the purpose of expediting repair.

Assists in the preparation of work orders for scheduled equipment repair or rehabilitation.

Participates in and completes formal training courses established under provisions of the Public Utility Plant Maintenance Apprentice Program.

Completes scheduled work orders to fulfill assigned tasks in the maintenance and repair of plant equipment.

May prepare and maintain records and reports as required.

May assist in the inspection of contract work to ensure proper work quality and equipment performance.

Performs related work as assigned.

DESIRABLE KNOWLEDGE, SKILLS AND ABILITIES

Some knowledge of standard tools, methods, practices and materials involved in plant maintenance operations and work assignments.

Some knowledge of the occupational hazards and safety precautions of the work.

Skill in the use of tools, materials and equipment used in plant maintenance work.
Ability to understand and work from general oral instructions and to follow written instructions and specifications, sketches and preventive maintenance schedules.

Ability to communicate clearly and concisely, orally and in writing.

Ability to establish and maintain effective working relationships with employees as necessitated by the work.

DESIRABLE TRAINING AND EXPERIENCE

High school graduate or GED equivalency.

Some experience in the use of basic hand tools, hand held power tools and electrical testing instruments.

NECESSARY SPECIAL REQUIREMENTS

Possession and maintenance of a valid State of Florida Commercial Drivers License, specific class and endorsements to be determined by the department.

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City of St. Petersburg